Translation

PATENT COOPERATION TREATY





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

94 NUG 2004

Applicant's or agent's file reference 663706	FOR FURTHER ACTION E	eeNotificationofTransmittalofInternational Preliminary xamination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/mor	
PCT/JP2003/002421	03 March 2003 (03.03.2	2003) 04 March 2002 (04.03.2002)
International Patent Classification (IPC) or n H01L 29/792	ational classification and IPC	
Applicant	SHARP KABUSHIKI KA	AISHA
and is transmitted to the applicant ac	cording to Article 36.	this International Preliminary Examining Authority
2. This REPORT consists of a total of	4 sheets, including t	his cover sheet.
amended and are the basis for	ed by ANNEXES, i.e., sheets of the this report and/or sheets containing Administrative Instructions under	e description, claims and/or drawings which have been g rectifications made before this Authority (see Rule the PCT).
These annexes consist of a to	tal of sheets.	
3. This report contains indications relat	ing to the following items:	
I Basis of the report		
II Priority		
III Non-establishment o	of opinion with regard to novelty, in	nventive step and industrial applicability
IV Lack of unity of inve	ention	
v Reasoned statement citations and explana	under Article 35(2) with regard to ations supporting such statement	novelty, inventive step or industrial applicability;
VI Certain documents c	ited	·
VII Certain defects in the	e international application	·
VIII Certain observations	on the international application	
Date of submission of the demand	Date of co	mpletion of this report
08 July 2003 (08.07.20		27 November 2003 (27.11.2003)
Name and mailing address of the IPEA/JP	Authorize	d officer
Facsimile No.	Telephone	No.

I. Basis	of the report
1. With	regard to the elements of the international application:*
\boxtimes	the international application as originally filed
	the description:
	pages, as originally filed
	pages, as originally fried, filed with the demand
	pages, filed with the letter of
	the claims:
_	pages, as originally filed
	pages, as originally filed, as amended (together with any statement under Article 19
	pages, filed with the demand
	pages, filed with the letter of
	the drawings:
	pages, as originally filed
	pages, as originally filed with the demand
	pages, filed with the letter of
∏ t	ne sequence listing part of the description:
	-
	, as originally filed
	pages, filed with the demand pages, filed with the letter of
	regard to any pulsestide and/or solutions was filed, unless otherwise indicated under this item. elements were available or furnished to this Authority in the following language which is: the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).
	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international inary examination was carried out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4. <u> </u>	The amendments have resulted in the cancellation of: the description, pages the claims, Nos the drawings, sheets/fig
_	his report has been established as if (some of) the amendments had not been made, since they have been considered to go eyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
and 70.	·
* Any rep	lacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	10	YES
	Claims	1-9, 11-13	NO
Inventive step (IS)	Claims		YES
	Claims	1-13	МО
Industrial applicability (IA)	Claims	1-13	YES
	Claims		NO

2. Citations and explanations

Document 1: US, 6335554, B1 (Toshiba Corp.), 1 January, 2002 (01.01.02)

Document 2: JP, 63-204770, A (Oki Electric Industry Co., Ltd.), 24 August, 1988 (24.08.88)

Document 3: US, 4881108, A (Toshiba Corp.), 14 November, 1989 (14.11.89)

Document 4: US, 5838041, A (Toshiba Corp.), 17 November, 1998 (17.11.98)

Document 5: US, 6329247, B1 (NEC Corp.), 11 December, 2001 (11.12.01)

Document 6: US, 6316317, B1 (NEC Corp.), 13 November, 2001 (13.11.01)

The subject matters of claims 1-9 and 11-13 do not appear to be novel or to involve an inventive step since they are described in documents 1-4 cited in the ISR (in columns 6-8 of document 1, pages 3-5 of document 2, columns 1-6 of document 3 and columns 4-10 of document 4).

The subject matter of document 10 does not appear to involve an inventive step in view of documents 1-4, document 5 (columns 2-5) and document 6 (columns 6-11) cited in the ISR. A person skilled in the art could have easily conceived of employing the constituent feature, "the gate insulating film of a memory transistor which is thicker than the insulating film of a selection transistor," of documents 5 and 6 for the gate insulating film of documents 1-4.

International application No.	•
CT/JP03/02421	

. Certain published documents (Rule 70.10) Application No. Publication date Filing date Priority date (validay/month/year) Patent No. (day/month/year) (day/month/year) (day/month/year)		CT/JP03/02421			 -	s cited	rtain documents cite
Application No. Publication date (day/month/year) (day/month/year) Priority date (val) JP 2002-164446 A 07.06.02 02.11.00 12.09.0 [E, X] Non-written disclosures (Rule 70.9) Kind of non-written disclosure Date of non-written disclosure referring to non-written disclosure					10)		
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